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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/938,391

DATE: 09/13/2001
TIME: 12:33:26

Input Set : A:\PC10790A.app
Output Set: N:\CRF3\09132001\I938391.raw

3 <110> APPLICANT: Tong, et al.
5 <120> TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DIAGNOSING AND TREATING
6 DISORDERS INVOLVING ANGIOGENESIS
8 <130> FILE REFERENCE: PC10790A
C--> 10 <140> CURRENT APPLICATION NUMBER: US/09/938,391
C--> 11 <141> CURRENT FILING DATE: 2001-08-24
13 <160> NUMBER OF SEQ ID NOS: 4
15 <170> SOFTWARE: PatentIn Ver. 2.1
17 <210> SEQ ID NO: 1
18 <211> LENGTH: 829
19 <212> TYPE: DNA
20 <213> ORGANISM: CANINE PRO ENDOSTATIN NUCLEOTIDE SEQUENCE
22 <400> SEQUENCE: 1
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24 cccggggccc cgaccacagg ctcttacgtg cacttccagc cggctcgccc caactgggtggg 120
25 cccgtccaca cccacaccca cacccaccag gacttccagc tgggtctgca cctgggtggcc 180
26 ctgaacagcc cgccagccggg cggcatgcga ggcatccggg gagcggactt ccagtgtttc 240
27 cagcaggcgc ggcggcgccggg gtcggccggc accttccggg ctttctgtc gtgcggctg 300
28 caggacactt acagcatcgt ggcggccgcgaccgcggcgggtggccgt cgtcaacactc 360
29 agggacgagg tgcttcttccc cagctggggag gccttattct cggggctccga gggccagctg 420
30 aagcccgaaa cccgcacatctt ctctttcgac ggcagagatg tcctgcagca cccgcctgg 480
31 ccccgaaaga gcgtgtggca cggctccgac cccagccggc ggcggctgac cgacagctac 540
32 tgcgagacgt ggcggacgga ggccccggcg gccaccggc aggctgcgtc gctgctggcg 600
33 ggcaggctgc tggagcagga ggccgcgagc tgccgccacg cttctgtgt gctctgcatac 660
34 gagaacagcg tcatgaccc ttttccaaatggccggcggccacgg acaggcgggg 720
35 gagggggcgc cgcaggagc atccggccgc cggggggggc ctggccggga cgcttgctg 780
36 caccgtcacg tttaatgtaa tcctcaagaa ataaaaggaa gccaaagag 829
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40 <211> LENGTH: 230
41 <212> TYPE: PRT
42 <213> ORGANISM: CANINE PRO ENDOSTATIN AMINO ACID SEQUENCE
44 <400> SEQUENCE: 2
45 Pro Trp Arg Ala Asp Asp Ile Leu Ala Gly Pro Pro Arg Leu Leu Asp
46 1 5 10 15
48 Pro Gln Pro Tyr Pro Gly Ala Pro His His Gly Ser Tyr Val His Phe
49 20 25 30
51 Gln Pro Ala Arg Pro Thr Gly Gly Pro Val His Thr His Thr His Thr
52 35 40 45
54 His Gln Asp Phe Gln Leu Val Leu His Leu Val Ala Leu Asn Ser Pro
55 50 55 60
57 Gln Pro Gly Gly Met Arg Gly Ile Arg Gly Ala Asp Phe Gln Cys Phe
58 65 70 75 80
60 Gln Gln Ala Arg Ala Ala Gly Leu Ala Gly Thr Phe Arg Ala Phe Leu
61 85 90 95
63 Ser Ser Arg Leu Gln Asp Leu Tyr Ser Ile Val Arg Arg Ala Asp Arg
64 100 105 110
66 Thr Gly Val Pro Val Val Asn Leu Arg Asp Glu Val Leu Phe Pro Ser

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67	115	120	125
69	Trp Glu Ala Leu Phe Ser Gly Ser Glu Gly Gln Leu Lys Pro Gly Ala		
70	130	135	140
72	Arg Ile Phe Ser Phe Asp Gly Arg Asp Val Leu Gln His Pro Ala Trp		
73	145	150	155
75	Pro Arg Lys Ser Val Trp His Gly Ser Asp Pro Ser Gly Arg Arg Leu		
76	165	170	175
78	Thr Asp Ser Tyr Cys Glu Thr Trp Arg Thr Glu Ala Pro Ala Ala Thr		
79	180	185	190
81	Gly Gln Ala Ser Ser Leu Leu Ala Gly Arg Leu Leu Glu Gln Glu Ala		
82	195	200	205
84	Ala Ser Cys Arg His Ala Phe Val Val Leu Cys Ile Glu Asn Ser Val		
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87	Met Thr Ser Phe Ser Lys		
88	225	230	
91	<210> SEQ ID NO: 3		
92	<211> LENGTH: 555		
93	<212> TYPE: DNA		
94	<213> ORGANISM: CANINE ENDOSTATIN NUCLEOTIDE SEQUENCE		
96	<400> SEQUENCE: 3		
97	cacacccacc aggacttcca gctggtgctg cacctggtgg ccctgaacag cccgcagccg 60		
98	ggcggcatgc gaggcatccg gggagcggac ttccagtgtct tccagcaggc gcgcgcgcgc 120		
99	gggctggccg gcacccctccg ggccttcctg tcgtcgccgc tgcaggacact ctacagcatc 180		
100	gtgcgcgcgc cgcaccgcac cgggggtgccccc gtcgtcaacc tcagggacga ggtgtctttc 240		
101	cccaagctggg aggccttatt ctcgggctcc gagggccagc tgaagcccg ggcccgcatc 300		
102	ttctctttcg acggcagaga tgtctctgacg caccggccct ggccccggaa gagcgtgtgg 360		
103	cacggctccg accccagcgg gcgcgcctg accgacagct actgcgagac gtggcggacg 420		
104	gaggccccgg cggccaccgg gcaggcgtcg tcgcgtctgg cgggcagcgt gctggagcag 480		
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112	<213> ORGANISM: CANINE ENDOSTATIN AMINO ACID SEQUENCE		
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116	1	5	10
118	Ser Pro Gln Pro Gly Gly Met Arg Gly Ile Arg Gly Ala Asp Phe Gln		
119	20	25	30
121	Cys Phe Gln Gln Ala Arg Ala Ala Gly Leu Ala Gly Thr Phe Arg Ala		
122	35	40	45
124	Phe Leu Ser Ser Arg Leu Gln Asp Leu Tyr Ser Ile Val Arg Arg Ala		
125	50	55	60
127	Asp Arg Thr Gly Val Pro Val Val Asn Leu Arg Asp Glu Val Leu Phe		
128	65	70	75
130	Pro Ser Trp Glu Ala Leu Phe Ser Gly Ser Glu Gly Gln Leu Lys Pro		
131	85	90	95
133	Gly Ala Arg Ile Phe Ser Phe Asp Gly Arg Asp Val Leu Gln His Pro		
134	100	105	110

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136 Ala Trp Pro Arg Lys Ser Val Trp His Gly Ser Asp Pro Ser Gly Arg
137 115 120 125
139 Arg Leu Thr Asp Ser Tyr Cys Glu Thr Trp Arg Thr Glu Ala Pro Ala
140 130 135 140
142 Ala Thr Gly Gln Ala Ser Ser Leu Leu Ala Gly Arg Leu Leu Glu Gln
143 145 150 155 160
145 Glu Ala Ala Ser Cys Arg His Ala Phe Val Val Leu Cys Ile Glu Asn
146 165 170 175
148 Ser Val Met Thr Ser Phe Ser Lys
149 180

VERIFICATION SUMMARY
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L:10 M:270 C: Current Application Number differs, Replaced Application Number
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date